

2011 WSU Variety Testing Hard Spring Wheat Trial, Farmington

Variety Name <small>*Hard White Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WA 8123			71	68	61.3	12.2	31	193
Hollis	65	68	62	61	60.8	12.1	46	193
BR7030			69	60	61.7	11.5	30	194
UI Winchester		72	66	60	61.5	11.9	32	193
WA 8074		73	68	60	61.3	11.7	34	193
Lassik		67	61	60	61.1	11.2	30	195
Macon		65	57	59	60.7	11.2	34	194
Buck Pronto	67	69	66	59	61.4	12.9	33	191
Bullseye		70	64	59	62.7	11.5	30	195
Patwin 515				59	60.2	12.2	24	195
Scarlet	67	67	59	57	60.5	11.9	36	194
Otis		66	55	54	61.9	10.3	38	195
Kelse	63	64	59	54	61.0	12.8	35	193
Tara 2002	66	65	56	53	60.3	11.5	36	192
Jefferson	67	68	61	53	60.6	12.4	33	195
Westbred 926	65	65	57	53	59.3	12.9	33	192
WA 8133				53	62.2	12.4	33	194
Cerere				53	58.9	11.2	30	199
WA 8148				51	59.7	11.9	33	197
Hank	63	59	50	47	59.3	12.5	30	194
Clear White 515				47	60.2	12.3	29	193
10Fx Inc.1				47	61.4	12.1	31	194
IDO702				46	59.3	12.1	33	196
WB-Fuzion			55	42	60.2	11.7	32	193
C.V.	15	13	14	11	1.0	5.2	6	1
LSD	3	4	5	6	0.6	0.7	2	1
Average	65	67	61	55	60.7	11.9	33	194
Highest	67	73	71	68	62.7	12.9	46	199
Lowest	63	59	50	42	58.9	10.3	24	191

Farmington Hard Spring Wheat – Preliminary Data

1. Grain yield in the Farmington hard spring wheat trial averaged 55 bushels/acre. The Farmington nursery was located about three miles of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 11 May, 2011 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till plot drill set on 10-inch spacing. Base fertilizer was applied through the drill at 114 #N/acre. A soil test before planting showed 111#N/acre available and no additional N was applied based on yield projections. Spring seeding was late but establishment was good.
3. Yields ranged from 42 bu/acre to 68 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 1 of the 24 entries are in this group. Hollis was the highest yielding named entry. Stripe rust was a minor factor in this trial and no fungicide was applied. There appears to be up to 10% effect on yield by stripe rust for susceptible entries. The nearest neighbor analysis had a 287% relative efficiency versus an RCBD for yield.
4. Test weights were good with an average of 60.7 lb/bu and ranged from 58.9 to 62.7 lb/bu. Grain protein averaged 11.9% with a range of 10.3 to 12.9%. The average plant height was 33 inches with no lodging.